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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/032,355	12/21/2001	Rajamani Ganesh	01-4067	5000

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EXAMINER

DOAN, KIET M

ART UNIT PAPER NUMBER

2683

DATE MAILED: 02/24/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/032,355

Applicant(s)

GANESH, RAJAMANI

Examiner

Kiet Doan

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 October 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☐ Claim(s) 1-5, 7-15, 18, 20, 24-31 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5, 7-15, 18, 20, 24-31 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 14 October 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>10/19/04</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

This office action is in response to Amendment file on October 14, 2004.

Claims 6, 16-17, 19, 21-23 have been canceled.

Claims 25-31 have been added.

Claim Objections

Claims 2-5, 7-15, 20, 24 and 26-31 are objected to because of the following informalities: The Phrase "A method" should change to "The method". Appropriate correction is required.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. **Claims 1-20, 25, 27, 29-31** are rejected under 35 U.S.C. 103(a) as being unpatentable over Wallace et al. (Patent No. 6,463,272) in view of Marlevi et al. (Patent No. 5,572,221).

Consider **claim 1**, Wallace teaches a method for providing a current location a wireless communication device in a wireless communication network (Abstract, C3, L60-67, C1-4, teach GPS provide current position for wireless communication device which read on pager) comprising: receiving a request for said current location from a

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requesting party; verifying that said requesting party is an authorized party; when said requesting party is said authorized party (C4, L16-28), activating a location determination process to determine said current location of said wireless communication device (C3, L54-59, C4, L5-15 teach pager is always on means as location determination can activating). Wallace teach the limitation of claim as discuss above **but fail to teach** said activating operation including predicting a potential location area of said wireless communication device, and initiating said location determination process in said potential location area; and supplying an indicator of said current location to said requesting party.

In an analogous art, Marlevi teaches "Method and apparatus for detecting and predicting motion of mobile terminal". Further, Marlevi teaches said activating operation including predicting a potential location area of said wireless communication device, and initiating said location determination process in said potential location area; and supplying an indicator of said current location to said requesting party (Abstract, C3, L1-52 teach predicting next location and store indicator of said current location).

Therefore, it would have been obvious at the time that the invention was made that person having ordinary skill in the art to modify Wallace and Marlevi system, such that providing a current location and predicting a potential location area of the wireless communication device, to provide means for keeping track of the users with able to know whereabouts located.

Consider **claim 2**, Wallace teaches a method further comprising establishing, prior to said receiving operation, a user profile for said wireless communication device, said user profile containing an identifier for said authorized party (C3, L38-53, C4, L16-28).

Consider **claim 3**, Marlevi teaches a method wherein said verifying operation comprises matching a requesting party identifier of said requesting party with said identifier of said authorized party (C3, L25-44).

Consider **claim 4**, Wallace teaches a method further comprising detecting, prior to said receiving operation, a log-in attempt at a web page of a service provider of said wireless communication network, said request being received via said web page following successful completion said log-in attempt (C3, L37-53, Fig3, Illustrate computer/server access over internet, log-in attempt is inherent).

Consider **claim 5**, Wallace teaches a method wherein said request includes a dialing number of said wireless communication device (C2, L49-62 teach panic button which can be dial).

Consider **claim 7**, Marlevi teaches method wherein said predicting operation comprises determining said potential location area in response to wireless

communication between said wireless communication device and a transceiver site of said wireless communication network (C5, L49-67, C6, L1-14).

Consider **claim 8**, Marlevi teaches a method wherein said determining operation comprises ascertaining a coverage area in which said wireless communication device currently located, said coverage area being said potential location area (C6, L3-15, Fig.1, Illustrate coverage area).

Consider **claims 9 and 29**, Marlevi teaches method wherein said a service provider maintains a comprehensive call history database of said wireless communication network, said comprehensive call history database including call records of past calls in which said wireless communication device participated, and said determining operation comprises ascertaining said potential location area from said comprehensive call history database (C7, L16-42, C8, L5-10).

Consider **claim 10**, Wallace teaches a method wherein said current location is identified by a latitude and a longitude (C1, L55-65 teach GPS which identified latitude and longitude).

Consider **claims 11 and 20**, Wallace teaches a method further comprising translating said latitude and said longitude into said indicator of said current location (C1, L55-65).

Consider **claim 12**, Wallace teaches method as claimed in claim 1 wherein said supplying operation comprises displaying said indicator of said current location on a map of a geographical area in which said wireless communication device is positioned (C2, L1-8).

Consider **claim 13**, Wallace teaches a method wherein said supplying operation comprises providing said indicator of said current location via a web page (C3, L45-50, C4, L28-34).

Consider **claims 14 and 31**, Wallace teaches wherein said supplying operation includes presenting a time at which said wireless communication device is at said current location (C3, L18-22).

Consider **claim 15**, Wallace teaches a method further comprising periodically repeating said activating and supplying operations to track a movement of said wireless communication device (C3, L54-59).

Consider **claim 18**, Wallace teaches a method for providing a current location of a wireless communication device within a wireless communication network, said method comprising: establishing a user profile for said wireless communication device, said user profile containing an identifier for an authorized party (C3, L39-50, C4, L15-28, Fig.3, No.54, Illustrate computer and software means as contain profile of wireless communication device) receiving a request for said current location from a requesting party; verifying that said requesting party is said authorized party; when said requesting party is said authorized party (C4, L16-28), activating a location determination process to determine a latitude and a longitude of said current location of said wireless communication device(C3, L54-59, C4, L5-15 teach pager is always on means as location determent can activating), and supplying said current location to said requesting party by displaying an indicator of said current location on a map of a geographical area in which said wireless communication device is located (C4, L48-67).

Marlevi teaches said activating operation including predicting a potential location area of said wireless communication device, and initiating said location determination process in said potential location area (Abstract, C3, L1-52 teach predicting next location and store indicator of said current location).

Therefore, it would have been obvious at the time that the invention was made that person having ordinary skill in the art to modify Wallace and Marlevi system, such that providing a current location of a wireless communication device with user profile, to provide means for record identify of the users.

Consider **claim 25**, Wallace teaches a method for providing a location of a wireless communication device wireless communication network (Abstract, C3, L60-67, C1-4, teach GPS provide location position for wireless communication device), said method comprising: receiving a request for said location from a requesting party; verifying that said requesting party is an authorized party; when said requesting party is said authorized party (C4, L16-28), initiating said location determination process said potential location area to determine a current location of said wireless communication device and identifying said current location as said location (C3, L60-67, C4. L48-61).

Marlevi teaches activating a location determination process to determine said location of said wireless communication device, said activating operation including: predicting a potential location area of said wireless communication device (Abstract, C3, L1-52 teach predicting next location and store indicator of said current location); when said wireless communication device is detectable said potential location area (Title, Abstract, L1-12); and when said wireless communication device is undetectable in said potential location area, utilizing said potential location area as said location; and supplying an indicator of said location to said requesting party (C9, L29-32, C16, L10-29 teach different geographical location means as undetectable in said potential location area).

Therefore, it would have been obvious at the time that the invention was made that person having ordinary skill in the art to modify Wallace and Marlevi system, such that wireless communication device is detectable/ undetectable said potential location area and supplying an indicator of said location to said requesting party, to provide

means for continue connection/communication with the device either in the cover area or out of cover area.

Consider **claim 27**, Wallace teaches a method wherein said predicting operation comprises ascertaining a coverage area in which said wireless communication device was most recently located, said coverage area being said potential location area (C3, L65-67, C4, L1-4).

Consider **claim 30**, Marlevi teaches a method wherein said ascertaining operation determines from said comprehensive call history database a coverage area in which said wireless communication device was last used as found in said call records, said coverage area being said potential location area C7, L16-42).

2. **Claims 24, 26 and 28** are rejected under 35 U.S.C. 103(a) as being unpatentable over Wallace et al. (Patent No. 6,463,272) in view of Marlevi et al. (Patent No. 5,572,221) and further view of Song (Patent No. 6,327,471).

Consider **claims 24 and 26**, Wallace and Marlevi teach the limitation of claim as discuss above **but fail to teach** a method wherein said predicting operation is performed irrespective of a current registration of said wireless communication device in said wireless communication network.

In an analogous art, Song teaches "Method and an apparatus for positioning system assisted cellular radiotelephone handoff and dropoff". Further, Song teaches a

method wherein said predicting operation is performed irrespective of a current registration of said wireless communication device in said wireless communication network (C4, L42-65, Fig.2, Illustrate register of radiotelephone in zone means as registration of said wireless communication device).

Therefore, it would have been obvious at the time that the invention was made that person having ordinary skill in the art to modify Wallace, Marlevi and Song system, such that performed irrespective of a current registration of said wireless communication device, to provide means for identify present location of the wireless device.

Consider **claim 28**, Song teaches a method further comprising determining said coverage area in response to a registration of said wireless communication device within said wireless communication device (C5, L10-44).

Conclusion

3. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the

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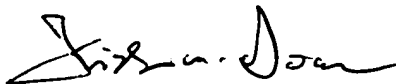
shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kiet Doan whose telephone number is 703-305-4749.

The examiner can normally be reached on 8am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on 703-308-5318. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Kiet Doan
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